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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,450	10/27/2003	Akihiro Matsunaga	074913.0106	2921

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EXAMINER

CHUNG TRANS, XUONG MY

ART UNIT PAPER NUMBER

2833

DATE MAILED: 08/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/693,450

Applicant(s)

MATSUNAGA, AKIHIRO

Examiner

Xuong M. Chung-Trans

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 4-8 is/are rejected.
- 7) ☒ Claim(s) 2 and 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/03; 04/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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1. This application has been examined. Claims 1-8 are pending in this application.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, and 4-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Wu (USPN 5,879,169).

As per claim 1, Wu discloses in fig. 4a, a connector comprising: a block-like insulator (12) having a first surface (30) and a second surface (38) opposite to said first surface, said first surface confronting a first connection object (IC card, not shown), said second surface(38) confronting a second connection object (PC board, 100), and a plurality of conductive contacts (16) each electrically connecting said first connection object(IC card) to said second connection object(Pcboard, 100), each of said conductive contacts comprising: a retention portion (18,20) held by said insulator, a contact portion (28) extending from one end of said retention portion and projecting over said first surface so as to contact said first connection object, and a connecting portion (40) extending from the other end of said retention portion and projecting over said second surface so as to be connected to said second connection object (100), said insulator having a standoff region (36) which is formed at a boundary between said second surface and a surface (top surface of 100) adjacent to said second surface and enables a mounting component be placed in said standoff region and mounted on said second

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connection object, said contacts being disposed in predetermined positions of said insulator excluding said standoff region.

As per claim 4, Wu discloses wherein each of said contacts has a spring portion for giving springiness to said contact portion (28), said insulator having a plate portion biasing said spring portion in advance. See fig. 4a-b.

As per claim 5, Wu discloses wherein said insulator has a mounting wall portion (46), said retention portion of each contact (18,20) being fitted into said mounting wall portion from the outside.

As per claim 6, Wu discloses wherein each of said contacts has a spring portion for giving springiness to said connecting portion.

As per claim 7, Wu discloses wherein said insulator has a mounting portion (42) approaching to confront said second connection object, each of said contacts extending along said mounting portion to have said connecting portion at an end portion thereof.

As per claim 8, Wu discloses connecting portions of the contacts are arrayed in one line at an interval therebetween.

4. Claims 2-3 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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5. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not explicitly teach an insulator having a mounting portion between two standoff regions.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xuong M. Chung-Trans whose telephone number is (571) 272-2002. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 extension 33.. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Xuong Chung-Trans



THO D. TA
PRIMARY EXAMINER